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NOTES

NEW YORK STATE SCIENCE TEACHERS' ASSOCIATION

The next annual meeting of the New York State Science Teachers' Association will be held at Teachers College, Columbia University, New York City, December 26 and 27, in conjunction with the annual meeting of the American Association for the Advancement of Science. The programme is as follows:

Wednesday afternoon.—Dean James E. Russell; Dr. Kelly, Ethical Culture School, "Are High-School Courses in Science Adapted to the Needs of Adolescents?" W. M. Bennett, West High School, Rochester, "Some Demonstrations in Refraction and Dispersion of Light;" Professor Minchen, University of Rochester, "Demonstration: The Principle of Interference and Its Applications;" Henry R. Linville, De Witt Clinton High School, New York City, "Biology as Method and as Science in Secondary Schools;" Dr. Grace E. Cooley, Newark High School, "The High-School Biologist and the Citizen of Tomorrow;" Jennie T. Martin, Central High School, Buffalo, "Field Work in Physical Geography;" W. H. Platzner, High School, Poughkeepsie, "The Value of the Inductive Study of Relief Forms in Field-Work;" Professor Gale, University of Rochester, "The Place of Transformation Theory in Geometry;" Professor Keyser, Columbia University, "Concerning the Introduction of Modern Notions into the Geometry of Secondary Mathematics."

Wednesday evening.—Professor D. E. Smith, Teachers College, Columbia University, "The Preparation of the Teacher of Mathematics in Secondary Schools;" Professor E. L. Thorndike, Teachers College, Columbia University, "The Teaching of Science as Seen from the Outside."

Thursday forenoon.—Professor Mann, University of Chicago, "The New Move for the Reform of Physics Teaching in Germany, France, and America;" Professor Sherman Davis, Indiana University, "Purpose of Science in the Culture of the Adolescent;" J. M. Jameson, Pratt Institute, Brooklyn, "More Interesting Mechanics in the High School;" J. Y. Bergen, Cambridge, Mass., "Plant Physiology in Secondary Schools;" Professor Bigelow, Teachers College, Columbia University, "Some Established Principles of Nature-Study;" Lester B. Cary, High School, Buffalo, George T. Hargitt, High School, Syracuse, and James T. Peabody, Morris High School, New York City, "The Teaching of Biological Science in Some of the High Schools in New York State;" Professor Richardson, Syracuse University, "The Study of Minerals and Rocks in Physical Geography in the High School;" Dr. John M. Clarke, State Geologist, Barre, "Bar and Tickle;" A. W. Farnham, Oswego Normal School, "The Relation Which School Gardens May Bear to Industrial and Commercial Geography;" W. T. Morrey, Morris High School, New York City, "Use of Reference Books in Physical Geography by Pupils in the High School;" Professor Hawkes, Yale

University, "Secondary Mathematics from a College Standpoint;" C. B. Upton, Horace Mann High School, "What Equipment Does a High School Need for the Effective Teaching of Mathematics?" Professor Webb, Stevens Institute, "The Relation between High-School and College Mathematics."

Thursday afternoon.—Professor Hallock, Columbia University, "Demonstration: Optical Oddities;" Fred Z. Lewis, Boys' High School, Brooklyn, "Demonstration: Photomicrographs;" Professor Davis, Harvard University, "Laboratory Exercises in Physical Geography—Illustrated;" W. Betz, East High School, Rochester, "Open Questions in the Teaching of Elementary Geometry;" J. T. Rover, Central High School, Philadelphia, "The Necessity of Closer Affiliation of Mathematical Associations;" Dr. E. C. Hovey, American Museum of Natural History, "West Indian Volcanoes and Their Recent Eruptions—Illustrated."

Thursday evening.—Reception given by President Nicholas Murray Butler.

Teachers of science and mathematics desiring to become members of the association may communicate with the undersigned.

TEACHERS COLLEGE, COLUMBIA UNIVERSITY
New York City

JOHN F. WOODHULL

In addition to the notice cited in the September number of the *Review*, the

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secretary of the National Educational Association makes the following statement concerning the semi-centennial volume and other matters:

In addition to the outline of matter given in the circular letter above referred to, valuable contributions have been secured from Dr. W. T. Harris, from Dr. E. E. Brown, the present United States commissioner of education, and also from various corresponding members in other countries who have written on phases of education in their respective countries during the past fifty years in a manner especially appropriate to the proposed volume. Among these may be mentioned the following: Cloudesley S. H. Brereton, examiner in modern languages of the Oxford and Cambridge Joint Board, has written on "The Development of Modern Language Teaching in England during the Past Fifty Years." Miss Dorothea Beale, principal of the famous Cheltenham Ladies' College, will write on "The Secondary Education of Girls in England for Fifty Years." Dr. Michael E. Sadler, member of the Royal Commission on Secondary Education, has sent a paper for the volume on "The Educational Awakening in England."

Dr. Pierre Emile Levasseur, professor at the College of France, has written on "Primary Education in France during the Third Republic." Camille See, counselor of state, and author of the law which created the secondary education of young women in France, has contributed a paper on "The History of the Secondary Education of Girls in France." Dr. Friedrich Paulsen, the eminent

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and venerated professor of philosophy and pedagogics in the University of Berlin, has contributed a short chapter on "The Backward and Forward View of German Education and Philosophy." Bela de Tormay, counselor in the royal Hungarian ministry of agriculture at Budapest, has written a review of the "Development of Agricultural Education in the Schools of Hungary."

Similar papers appropriate to this volume are promised by other corresponding members in foreign countries. A report of the Congress of Education at Liège, Belgium, held a year ago, will be supplied by the official delegate of the National Educational Association to that congress, Professor Will S. Monroe, of Worcester, Mass.

The Board of Trustees, at a recent meeting in New York City, elected Dr. Nicholas Murray Butler chairman of the board to succeed Mr. A. G. Lane, whose death occurred in August last. The securities of the permanent fund of the Association were placed in the custody of the First Trust and Savings Bank of Chicago in 1904-5. These securities will remain in the same depository.

The Executive Committee have under consideration invitations for the next convention, in July, 1907, from the Jamestown Exposition Company; Baltimore; Philadelphia; Toronto; Denver; and Portland, Ore. It is expected that a decision may be reached and an announcement made before December 1.

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